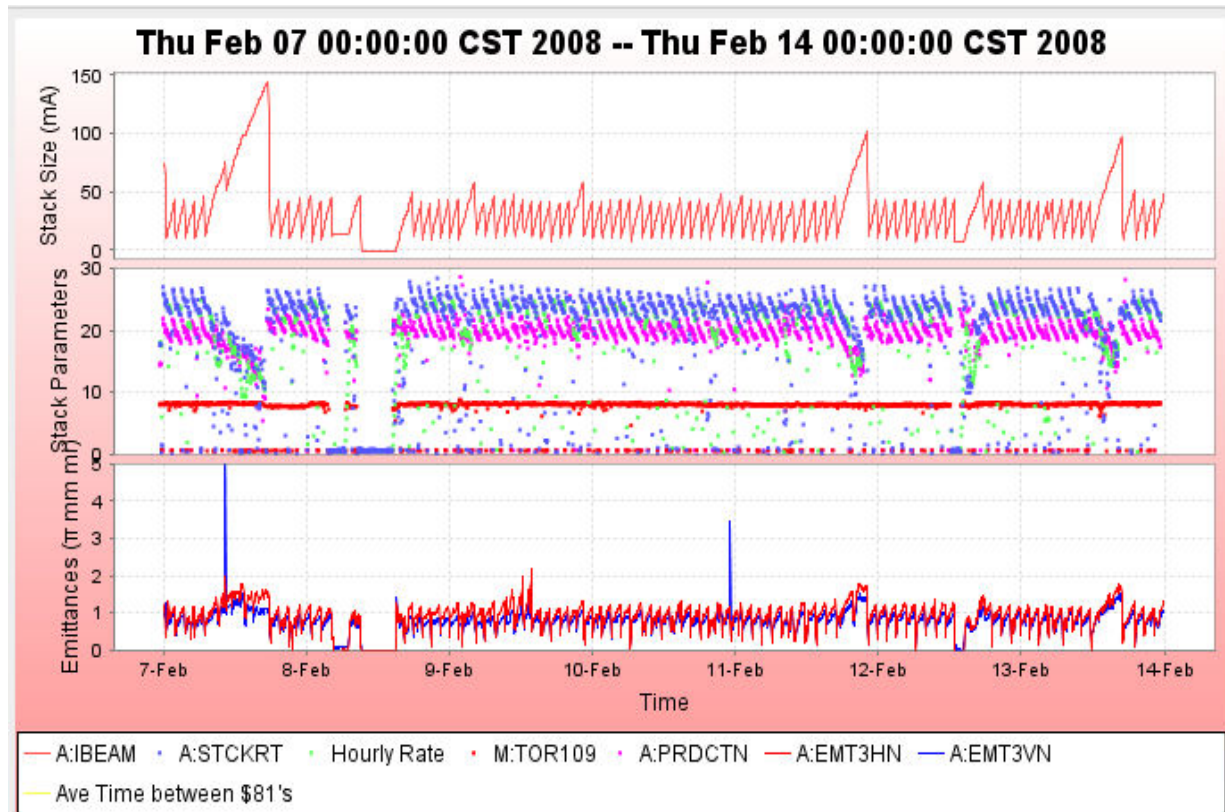


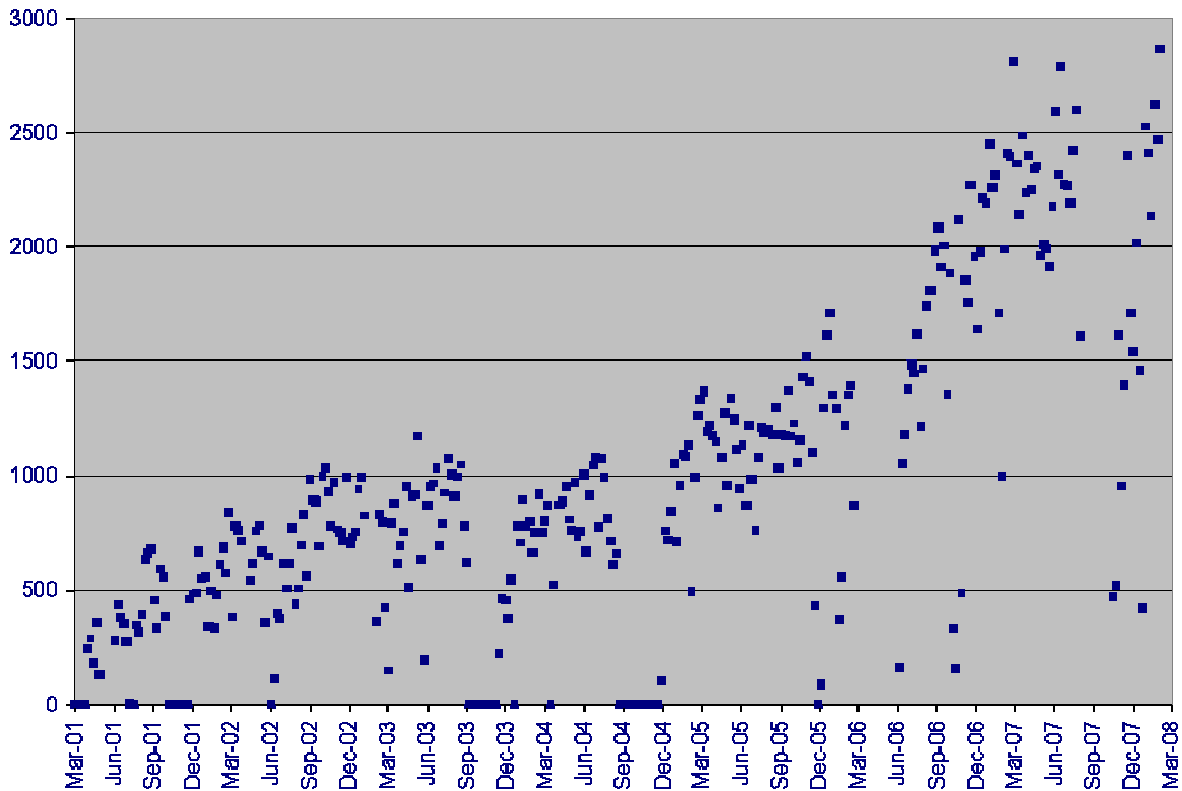
2008-02-14 Pbar Department Meeting

Thursday, February 14, 2008
9:55 AM



- Only one stack over 100mA.
- Mostly stack and store...
- Record week Monday to Monday - 2856mA (2807 - March 148 hrs of stacking)

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Pasted from <http://www-bdnew.fnal.gov/pbar/performance_weekly.html>

- Highest average stack rate. - broke 20mA/hr
- Access on Friday
 - TWT
 - DRF1
 - ESEPV - new transformer. Still running, leave it in.
- Problems
 - DRF1-3 - even though cavity that puts out most voltage, still can do 24mA/hr.
 - Run until further failure.
- Debuncher cooling
 - Gain ramps
 - When use SA, sweeps a long time
 - Also can not get numerical data out of it.
 - a
 - Take scope, digitize everything, analyze offline
 - Mix down in two steps, signal in each band in middle of band.
 - Mixed each line down, and then used fast digital scope to digitize the data.
 - 8 data pieces... data duration was only 2 sec out of 2.2 sec.
 - Two shifted in time measurements so that it would be overlapping.
 - Performed on measurement in lower band 1, but not in the center. Should be no signal suppression...reference for real distribution.
 - Signal suppression starting from very beginning,
 - At end have sig suppression a little bit more than we need.
 - Tried to optimize gain ramps,
 - Whatever we did, could not see a significant change.
 - Can't say it is better or worse.
 - a
 - Gain ramping put in before optical notch filter? Steve thinks not.
 - a
 - There is still puzzle. Even after new notch filter.. August 2006, beam a factor of 2000 lower.

- lower.
 - o a
- Stacktail
 - o Gain ramps.
 - o Possibly hurt emittances...
- Target Status
 - o New target - have parts made now
 - o Internal cooling tubes being assembled.
 - o Have the target ready without berillium cover ready by march.
 - o The long wait time is the berillium cover - arrive april 10th?
- Transfers
 - o Optics change.
 - o Looked at vertical IPM, looks good. But effected steering...
 - o The may have impacted emittaces on that transfer.
 - o Q703
 - o State 19 - have to tell the mi seq. That this round of transfers is done.
 - 19 - tells mi seq that we are done.
 - o Net effect, droppped 5-6% transfer effic. More than the gain in time.....
 - o Beamlines effected when emittaces are only a percent or two...
- Debuncher Tunes
 - o No progress
- Inventory Lists
- Leave Calendar